

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24464	bandgap\$1 (band adj gap\$1)	US-PGPUB; USPAT	OR	OFF	2004/12/06 17:11
L2	6981	1 same wavelength\$1	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:52
L3	2991	2 and (matrix or matrices array\$1)	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:52
L4	1840	3 and (inclusion\$1 defect\$1 periodic\$4)	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:53
L5	2223	3 and (inclusion\$1 defect\$1 period\$6)	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:53
L6	428	5 and (first with (bandgap\$1 (band adj gap\$1))) and (second with (bandgap\$1 (band adj gap\$1)))	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:57

L7	125	(US-20010002315-\$ or US-20010028029-\$ or US-20010051766-\$ or US-20020009274-\$ or US-20020045030-\$ or US-20020048289-\$ or US-20020054424-\$ or US-20020074537-\$ or US-20020102081-\$ or US-20020109148-\$ or US-20030012657-\$ or US-20030020084-\$ or US-20030042487-\$ or US-20030043157-\$ or US-20030056546-\$ or US-20030064532-\$ or US-20030066998-\$ or US-20030096098-\$ or US-20030100824-\$ or US-20030113949-\$ or US-20030148103-\$ or US-20030152746-\$ or US-20030161029-\$ or US-20030169787-\$ or US-20030174940-\$ or US-20030174994-\$).did. or (US-20030175004-\$ or US-20030180029-\$ or US-20030203205-\$ or US-20030231689-\$ or US-20040004433-\$ or US-20040017833-\$ or US-20040022677-\$ or US-20040036130-\$ or US-20040038075-\$ or US-20040053009-\$ or US-20040056243-\$ or US-20040061863-\$ or US-20040063320-\$ or US-20040069995-\$ or US-20040073120-\$ or US-20040095658-\$ or US-20040105641-\$ or US-20040109328-\$ or US-20040126072-\$ or US-20040135495-\$ or US-20040140478-\$ or US-20040156610-\$ or US-20040159849-\$ or US-20040161579-\$ or US-20040170352-\$ or US-20040175854-\$ or US-20040183759-\$).did. or (US-20040188669-\$ or US-20040213300-\$ or US-20040214358-\$ or US-20040222411-\$).did. or (US-4590327-\$ or US-4695859-\$ or US-4701343-\$ or US-4725889-\$ or US-4728803-\$ or US-4730414-\$	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:55
Search History 12/6/04 6:19:13 PM Page 2 C:\APPS\east\workspaces\10658105.wsp						

L8	125	L7 and inclusion\$1	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:55
L9	412	6 not 8	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:55
L10	61	5 and ((first with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4)) and ((second with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4))	US-PGPUB; USPAT	OR	OFF	2004/12/06 11:17
L11	56	9 and ((first with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4)) and ((second with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4))	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:58

L12	56	(US-20010019565-\$ or US-20020021445-\$ or US-20020041749-\$ or US-20020067540-\$ or US-20020135880-\$ or US-20020136516-\$ or US-20020150366-\$ or US-20030100137-\$ or US-20030131782-\$ or US-20030133683-\$ or US-20030174983-\$ or US-20030230118-\$ or US-20040086249-\$ or US-20040091224-\$ or US-20040096173-\$ or US-20040105645-\$ or US-20040146242-\$ or US-20040156407-\$ or US-20040218651-\$).did. or (US-4128733-\$ or US-4171235-\$ or US-4642413-\$ or US-4713493-\$ or US-4914490-\$ or US-4920387-\$ or US-4987460-\$ or US-5028105-\$ or US-5136677-\$ or US-5187461-\$ or US-5317586-\$ or US-5548137-\$ or US-5610413-\$ or US-5694412-\$ or US-6114697-\$ or US-6153894-\$ or US-6294299-\$ or US-6343167-\$ or US-6392782-\$ or US-6396617-\$ or US-6433931-\$ or US-6496632-\$ or US-6563631-\$ or US-6587620-\$ or US-6589334-\$ or US-6597851-\$).did. or (US-6671097-\$ or US-6674778-\$ or US-6690325-\$ or US-6710912-\$ or US-6721476-\$ or US-6775448-\$ or US-6778722-\$ or US-6778749-\$ or US-6782179-\$ or US-6810168-\$ or US-6819852-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:58
L13	56	12 and (((first with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4)) and ((second with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4))	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:58
L14	228	((first with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4)) and ((second with (bandgap\$1 (band adj gap\$1))) same (inclusion\$1 defect\$1 periodic\$4))	US-PGPUB; USPAT	OR	OFF	2004/12/06 11:18
L15	31	14 and (bandwidth\$1)	US-PGPUB; USPAT	OR	OFF	2004/12/06 12:14

L16	2620	((359/321,322) (385/130-132, 126)).ccls.	US-PGPUB; USPAT	OR	OFF	2004/12/06 13:00
L17	421	16 and ((photonic optical) near3 crystal\$1)	US-PGPUB; USPAT	OR	OFF	2004/12/06 13:00
L18	463	16 and ((photonic optical) near3 (crystal\$1 bandgap\$1 (band adj gap\$1)))	US-PGPUB; USPAT	OR	OFF	2004/12/06 13:01
L19	403	18 and wavelength\$1	US-PGPUB; USPAT	OR	OFF	2004/12/06 14:37
L20	111	19 and bandwidth\$1	US-PGPUB; USPAT	OR	OFF	2004/12/06 13:05
L21	43	20 and (inclusion\$1 defect\$1 void\$1 bubble\$1)	US-PGPUB; USPAT	OR	OFF	2004/12/06 13:06
L22	430	18 and (wavelength\$1 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2004/12/06 16:01
L23	1	(US-6640034-\$).did.	USPAT	OR	OFF	2004/12/06 16:01
L24	1	23 and (wavelength\$1 frequenc\$4) and (bandgap\$1 (band adj gap\$1))	US-PGPUB; USPAT	OR	OFF	2004/12/06 17:00
L25	3565	((250/214.1) (343/909) (372/98, 102)).ccls.	US-PGPUB; USPAT	OR	OFF	2004/12/06 17:04
L26	306	25 and 1	US-PGPUB; USPAT	OR	OFF	2004/12/06 17:04
L27	286	26 and wavelength\$1	US-PGPUB; USPAT	OR	OFF	2004/12/06 17:05
L28	127	27 and ((photonic optical) with (crystal\$1 bandgap\$1 (band adj gap\$1)))	US-PGPUB; USPAT	OR	OFF	2004/12/06 17:05
L29	36372	bandgap\$1 (band adj gap\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:11
L30	62069	(photonic optical) near5 (crystal\$1 bandgap\$1 (band adj gap\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:12
L31	9445	(photonic optical) near5 (crystal\$1 bandgap\$1 (band adj gap\$1)) same wavelength\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:12

L32	1742	31 and (matrix matrices)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:13
L33	134	32 and ((inclusion\$1 defect\$1 void\$1 bubble\$1) same (bandgap\$1 (band adj gap\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:15
L34	28	33 and (second near5 (bandgap\$1 (band adj gap\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:15
S1	1	"20040140478".pn.	US-PGPUB; USPAT	OR	OFF	2004/12/06 10:51
S2	22	("5335240" "5406573" "5440421"  "5600483" "5740287" "5784400"  "5973823" "5998298" "6042998"  "6058127" "6075640" "6101300"  "6134043" "20010019565" "2002 0009277" "6388795" "6392787" " 6396617" "6448997" "200300314 38" "20030043870" "6560006"). PN.	US-PGPUB; USPAT	OR	OFF	2004/11/30 14:43
S3	1	("5748057").PN.	US-PGPUB; USPAT	OR	OFF	2004/11/30 14:47
S4	23	S2 S3	US-PGPUB; USPAT	OR	OFF	2004/11/30 15:37
S5	279	matri\$3 and (bandgap\$1 (band adj gap\$1)) and wavelength\$1 and inclusion\$1	US-PGPUB; USPAT	OR	OFF	2004/11/30 15:38
S6	125	S5 and (refract\$3 near3 (index indices))	US-PGPUB; USPAT	OR	OFF	2004/11/30 15:41

S7	125	(US-20010002315-\$ or US-20010028029-\$ or US-20010051766-\$ or US-20020009274-\$ or US-20020045030-\$ or US-20020048289-\$ or US-20020054424-\$ or US-20020074537-\$ or US-20020102081-\$ or US-20020109148-\$ or US-20030012657-\$ or US-20030020084-\$ or US-20030042487-\$ or US-20030043157-\$ or US-20030056546-\$ or US-20030064532-\$ or US-20030066998-\$ or US-20030096098-\$ or US-20030100824-\$ or US-20030113949-\$ or US-20030148103-\$ or US-20030152746-\$ or US-20030161029-\$ or US-20030169787-\$ or US-20030174940-\$ or US-20030174994-\$).did. or (US-20030175004-\$ or US-20030180029-\$ or US-20030203205-\$ or US-20030231689-\$ or US-20040004433-\$ or US-20040017833-\$ or US-20040022677-\$ or US-20040036130-\$ or US-20040038075-\$ or US-20040053009-\$ or US-20040056243-\$ or US-20040061863-\$ or US-20040063320-\$ or US-20040069995-\$ or US-20040073120-\$ or US-20040095658-\$ or US-20040105641-\$ or US-20040109328-\$ or US-20040126072-\$ or US-20040135495-\$ or US-20040140478-\$ or US-20040156610-\$ or US-20040159849-\$ or US-20040161579-\$ or US-20040170352-\$ or US-20040175854-\$ or US-20040183759-\$).did. or (US-20040188669-\$ or US-20040213300-\$ or US-20040214358-\$ or US-20040222411-\$).did. or (US-4590327-\$ or US-4695859-\$ or US-4701343-\$ or US-4725889-\$ or US-4728803-\$ or US-4730414-\$	US-PGPUB; USPAT	OR	OFF	2004/11/30 15:41
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S8	125	S7 and inclusion\$1	US-PGPUB; USPAT	OR	OFF	2004/11/30 15:41
S9	16	(US-20040156610-\$ or US-20040105641-\$ or US-20030180029-\$ or US-20030174940-\$ or US-20030056546-\$).did. or (US-6822626-\$ or US-6778746-\$ or US-6762566-\$ or US-6640034-\$ or US-6470127-\$ or US-6403985-\$ or US-6372536-\$ or US-5453405-\$ or US-5300788-\$ or US-5253103-\$ or US-5075742-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/11/30 17:36